



Pacific Gas and Electric Company
Gas Pipeline Facilities Strength Test Pressure Report
 (For Pipeline Facilities Designed to Operate over 100 PSIG)

62-4921 (Rev. 2/04)
 California Gas Transmission
 (Use In Accordance with Gas Standard A-34 and GO 112-D)

Sheet 1 of 1

PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)

Feeder Main Number, Line Number, or Station Name L-300A	Area 4	Division/District Kern	Job Number 41587446	Date Job Authorized 10-26-11
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Description of Job - Include Reference Drawing Numbers, and Pipeline Mileposts
Test 2 - Segment A-B - Existing 34" materials listed are from the "Material of Record" (refer to DWG 41587446; sheet 6)
Hydrostatically test 34" tie-in piping, hydrostatic test piping and existing 34" L-300A

Hydrotest **L-300A** from MP 239.57 - 241.6 **Segment A-B Tehachapi to Cummings Valley, CA (Test Section 118) A**

Location Class 2	Design Factor (F) .60	MAOP to be Established for this Piping by this Test 803 PSIG	Future Design Pressure 803 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation 4319 Ft.	Static Head Calculation	
	Min. Elevation 4050 Ft.	For Water	116 PSIG
	Elev. Diff. 269 Ft.	Other (Specify)	0.433 X Elev. Diff. = 116 PSIG
			X Elev. Diff. = PSIG

Pipe Specification			Footage to Be Tested	Pipe Spec. and Footage Verified in Field	% of SMYS			Pressure to Give 90% SMYS
Size O.D.	W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)			At MAOP	At Min. Test Press.	At Max. Test Press.	
34.00	.375	API 5L, GR X52, DSAW (item#1)	10379	10379.1' VE	70.01	87.53	99.82	1032
34.00	.375	API 5L, GR X65, DSAW (item#101)	118	127.7' VE	56.00	70.02	79.86	1291
34.00	.500	API 5L, GR X46, DSAW (item#2)	338	MOR VE	59.35	74.21	84.63	1218
34.00	.505	ELBOW, GR Y60, 90° (item#113)	4 Ea.	VE	45.05	56.33	64.24	1604
34.00	.375	ELBOW, GR Y52, (item#4)	3 Ea.	MOR VE	70.01	87.53	99.82	1032
34.00	.505	APISL GR X60 DSAW	23.0'	23.0' VE	45.05	56.33	64.24	1,604 <i>SP</i>

Minimum Test Pressure @ Max. Elevation 1004 PSIG	Test Fluid To Be Used WATER	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	8 HOURS
Maximum Test Pressure @ Min. Elevation 1145 PSIG			

Prepared By: *Richard Avery* Date: *11/02/11* For Information or Changes, Call: **Mark Cabral (925) 588-3640** Approved By: *Mark Cabral* Date: *11-2-11*

PART II - TEST DATA (TO BE PREPARED BY PERSON SUPERVISING TEST AT TIME OF TEST)

Note: Minimum test pressure and duration are not to be changed without written approval.

Time and Date Test Pressure Reached <i>11/13/2011 9:29 am</i>	Elevation at Test Point 4319 FT	Min. Required Test Press. At Test Point (1) 1004 PSIG	Max. Allowable Test Press at Test Point (4) 1028 PSIG
Time and Date Test Ended <i>11/13/2011 5:44 pm</i>	Max. Elevation in Test Section 4319 FT	Min. Indicated Test Pressure (2) 1015 PSIG	Max. Indicated Test Pressure (5) 1023 PSIG
Actual Duration of Test <i>8 hr 15 min</i>	Min. Elevation in Test Section 4050 FT	Min. Test Pressure at Max. Elevation (3) 1015 PSIG	Max. Test Pressure at Min. Elevation (6) 1139 PSIG

Test Fluid Used: *water* Pipe Specification and Footage Verified (See Part I): *Von Embanks A-652 11-13-11*

Make, Range, and Serial No. of Pressure Recording Gauge <i>Barton 0-3000 202A175572</i>	Date Last Calibrated <i>11-9-2011</i>	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) <i>Chandler 50-3000 7650</i>	Date Last Calibrated <i>11-9-2011</i>
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Test Supervised By: *Jimma...* Date: *11-13-2011* Approved By: *Julianne...* Date: *11-17-11*

PUT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET
 SHOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM ELEVATION IN FEET, MILE POINTS, VALVE NUMBERS AND INCORPORATED AREAS. USE AN ADDITIONAL SHEET IF NECESSARY (SHOW REFERENCE NUMBERS ON FACE OF ALL DRAWINGS AND ATTACHMENTS). FOR STATION PIPING, FABRICATED UNITS AND SHORT SECTIONS OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED.

- NOTES:**
- Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test pressure at maximum elevation" from PART I.
 - Use lowest pressure on test gauge at any time during test.
 - Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure.
 - Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I.
 - Highest pressure on test gauge at any time during test.
 - Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure.
 - A dead weight tester is only required when testing to a pressure which produces a stress level of 90% of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the space provided above.

DISTRIBUTION
 JOB FILE (AT SPONSORING ORGANIZATION)
 GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT
 PROJECT MANAGER/PROJECT ENGINEER
 TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY
 CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)
 RECORDS SECTION (WC), GSM&TS
 REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING